

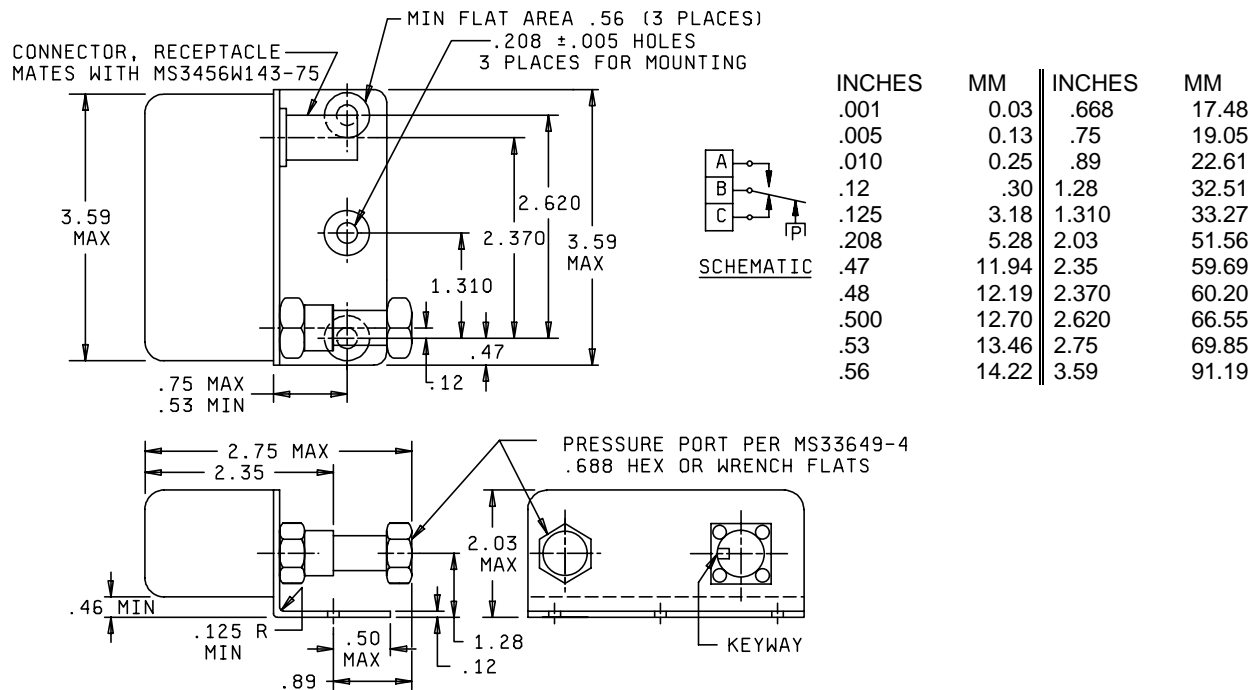
DETAIL SPECIFICATION SHEET

SWITCHES, PRESSURE (GAGE), TYPE II

SPDT, 3 AMPERES

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for procuring the switches described herein shall consist of this document and the latest issue of Specification MIL-DTL-9395.



NOTES:

1. Dimension are in inches.
2. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch - 25.4 mm.
3. Unless otherwise specified, tolerances are ± .02 (.51 mm) and .010 (.25 mm).
4. Exact shape of switch optional provided dimensions specified are not exceeded.

MIL-DTL-9395/1C

REQUIREMENTS:

Dimensions, configuration, and electrical schematic: See figure.

Weight: 0.5 pound maximum.

Calibration: See table I.

Tolerance: See table I.

Proof pressure: 4,500 psig.

System pressure: 3,100 psig.

Burst pressure: 7,500 psig.

Electrical ratings:

Operating voltage - 18 to 30 Vdc.

Current rating - 3 amperes resistive.

1 ampere inductive, L/R ratio .026

Seal:

Electrical chamber: Unsealed.

Pressure chamber: Water tight.

Reference chamber: Unsealed.

Media: Hydraulic fluid MIL-H-5606.

High temperature:

Operating - B (275°F).

Nonoperating - C (350°F).

Altitude: C (70,000 feet).

Shock: C (100 G).

Vibration: S (test condition D, method 204 of MIL-STD-202 except 10-2,000 Hz, 20 G).

Life mechanical: A (100,000 cycles).

Life electrical: (50,000 cycles).

Acceleration: C (8 G).

Pulsation amplitude: E (10 percent).

Pulsation frequency: D (500 \pm 50 Hz).

Pressure surge: F (500,000 psi/sec).

Dielectric withstanding voltage (at reduced barometric pressure): Applicable.

Connector torque: Applicable.

Dynamic (moving) seals such as piston with o rings are not acceptable.

The unit shall be factory set with no external means of adjustment.

MIL-DTL-9395/1C

TABLE I. Dash number and pressure switch settings.

Dash no.	Pressure switch settings	
	Increasing psig	Decreasing psig
01	1,500 \pm 50	1,300 \pm 100
02	Before 700	350 \pm 50
03	2,850 \pm 100	2,550 ⁺¹⁰⁰ -50

Part number: M9395/1-(dash number from table I).

Changes from previous issue. Revision letters are not used in this revision to identify changes with respect to the previous issue, due to the extensiveness of the changes.

Custodians:

Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-1730-01)

Review activities:

Army - AV
Navy - MC, SH
Air Force - 99